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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,060	09/29/2000	Akira Jinzaki	826.1632/JDH	9454

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EXAMINER

HU, JINSONG

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 02/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/675,060

Applicant(s)

JINZAKI, AKIRA

Examiner

Jinsong Hu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 January 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3 & 4.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

1. Claims 1-19 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-13 and 16-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Sridhar et al. (US 6,324,582).

4. As per claim 1, Sridhar teaches the invention as claimed including a network system which communicates with a network device storing information or an object, and has a function of retrieving information [col. 1, lines 13-17], comprising:

an information network address unit [1451, Fig. 14] assigning an information network address which is a network address to a name of the information or the object [col. 3, lines 14-27; col. 5, lines 15-20]; and

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an information retrieval communications unit [gateway computer 612, Fig. 6] establishing communications for the network device storing the information or the objects corresponding to the information network address [col. 4, lines 15-23; col. 5, lines 31-42; col. 8, line 60 – col. 9, line 2; col. 10, lines 50-59; col. 12, lines 6-18].

5. As per claim 2, Sridhar teaches said information network address unit comprises an information network address generation unit inputting information indicating a feature of the information or the object, and outputting the information network address [col. 23, lines 62-67].

6. As per claim 3, Sridhar teaches said information network address unit comprises an operations unit generating the information network address in arithmetic operation [col. 3, lines 14-27; col. 8, line 60 – col. 9, line 2].

7. As per claim 4, Sridhar teaches said operations unit computes an error detection and correction code [col. 21, lines 58-65].

8. As per claim 5, Sridhar teaches said operations unit computes a secure hash function [col. 1, lines 65-67; col. 15, lines 57-58].

9. As per claim 6, Sridhar teaches said information network address generation unit is equipped with a database for accumulating correspondence

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between the information or the object and the information network address, and generates the information network address by searching the database [col. 17, line 64 – col. 18, line 12].

10. As per claim 7, Sridhar teaches said information network address generation unit adds a record type indicating the name of the information or the object to a server of a domain name system which is the database, and obtains an information network address corresponding to the name of the information or the object [col. 18, lines 10-12; col. 23, lines 27-31].

11 As per claims 8 and 9, Sridhar teaches said information network address generation unit inquires uniform resource locator information of a plurality of WEB search engine retrieval system which is the database, and generates the information network address according to the obtained information [col. 17, line 64 – col. 18, line 12].

12. As per claims 10 and 11, Sridhar teaches the steps of an information network address identification unit [914, Fig. 9] identifying the information network address [col. 17, lines 51-59] and an information route management unit [615, Fig. 6] managing an information route using the information network address, wherein said relaying portion relays the packet through the information route [col. 9, lines 26-30 & 58-65].

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13. As per claims 12 and 13, Sridhar teaches the information retrieval communications unit establishes communications using the information network address by using an existing network address as the information network address and an existing communications mechanism for the network address [col. 17, line 51 – col. 18, line 12].

14. As per claims 16 and 18, since they are apparatus claims of claims 1 and 10, they are rejected for the same basis as claims 1 and 10 above.

15. As per claims 17 and 19, since they are computer program claims of claims 1 and 10, they are rejected for the same basis as claims 1 and 10 above.

Claim Rejections - 35 USC § 103

16. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

17. Claims 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sridhar et al. (US 6,324,582) applied to claims 1-13 and 16-19 above, in view of Official Notice.

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18. As per claims 14 and 15, Sridhar teaches the invention substantially as claimed in claim 1. Sridhar does not specifically teach the information network address is an existing multicast address or broadcast address. However, official notice is taken it would have been obvious to a person of ordinary skill in the art at the time the invention was made to include existing multicast or broadcast address in Sridhar's system because doing so would improve the integrity of the system by allowing user using their preferred multicast or broadcast address to obtain valuable information from the data sources. One of ordinary skill in the art would have been motivated to modify Sridhar's system to improve the functionality of the system.

Conclusion

19. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Ryan (US 6,421,675) discloses a search engine.

Lowery (US 6,446,111) discloses a client-server communication system;

Haverstock et al. (US 6,449,640) discloses a web server system; and

Black et al. (US 6,654,813) discloses a entities category system.

20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jinsong Hu whose telephone number is (703) 306 – 5932.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A. Follansbee, can be reached on (703) 305-8498.

The fax number for Group 2100 is (703) 872-9306.

Any inquiry of a general nature or relating to the status of the application should be directed to the Group receptionist at (703) 305-3900.

Jinsong Hu

February 11, 2004



JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100